

1998 SOUTH DAKOTA TUBERCULOSIS MORBIDITY

There were 23 cases of tuberculosis reported to the South Dakota Department of Health in 1998. This represents an increase of 4 cases from 1997. Cases were distributed across the state with 9 counties reporting TB cases this year. During 1998, there was one TB case that was resistant to INH. In addition, there was 1 TB case that was co-infected with HIV. Four TB cases were reported in residents from long-term care facilities. During 1998, 35% of the TB cases died either prior to diagnosis or during their course of treatment. Contributing factors to this mortality included alcoholism, diabetes, end-stage renal disease and other chronic diseases.

TUBERCULOSIS CASES REPORTED BY SEX AND RACE SOUTH DAKOTA 1998

RACE	MALE	FEMALE	TOTAL	% OF CASES
Native American	6	11	17	74%
White	3	1	4	18%
Black	1	0	1	4%
Hispanic	0	0	0	0%
Asian	0	1	1	4%
TOTAL	10	13	23	100%

TUBERCULOSIS CASES REPORTED BY SEX AND AGE SOUTH DAKOTA 1998

AGE (years)	MALE	FEMALE	TOTAL	% OF CASES
0-4	0	0	0	0%
5-9	1	0	1	4%
10-14	0	0	0	0%
15-19	0	0	0	0%
20-29	1	1	1	4%
30-39	2	1	3	13%
40-49	3	1	4	17%
50-59	1	4	5	22%
60-69	2	3	5	22%
70-79	0	2	2	9%
80-89	1	1	2	9%
90+	0	0	0	0%
TOTAL	10	13	23	100%

TUBERCULOSIS MORBIDITY INCIDENCE RATES PER 100,000 BY RACE AND YEAR SOUTH DAKOTA 1993-1998

RACE	1993	1994	1995	1996	1997	1998
All Races	2.3	4.0	4.0	2.7	2.7	3.3
Native American	19.8	35.6	35.6	25.7	25.7	33.6
White	0.9	0.8	0.5	0.3	0.6	0.6
All Other Races	0.0	63.2	88.5	50.5	12.6	25.3

**TUBERCULOSIS CASES REPORTED BY COUNTY OF RESIDENCE
SOUTH DAKOTA 1998**

COUNTY	# OF CASES	COUNTY	# OF CASES
Shannon	7	Corson	1
Minnehaha	4	Haakon	1
Pennington	4	Jackson	1
Todd	3	Potter	1
Mellette	1		

**TUBERCULOSIS MORTALITY BY RACE AND YEAR
SOUTH DAKOTA 1995-1998**

RACE	1995		1996		1997		1998	
All Races	3/28	11%	1/19	5%	1/19	5%	8/23	35%
Native American	1/18	6%	1/13	8%	0/14	0%	7/17	41%
White	2/3	67%	0/2	0%	1/4	25%	1/4	25%
All Other Races	0/7	0%	0/4	0%	0/1	0%	0/2	0%

**FOREIGN-BORN TUBERCULOSIS CASES BY YEAR
SOUTH DAKOTA 1994-1998**

Country of Birth	1994	1995	1996	1997	1998
United States	23 (82%)	21 (75%)	16 (84%)	18 (95%)	21 (91%)
Foreign-born	5 (18%)	7 (25%)	3 (16%)	1 (5%)	2 (9%)
TOTAL	28	28	19	19	23

**PULMONARY AND NON-PULMONARY TUBERCULOSIS CASES BY RACE
SOUTH DAKOTA 1998**

Site of Tuberculosis	Native American	White	Black	Hispanic	Asian	TOTAL
Pulmonary	7	3	1	0	1	12
Non-pulmonary	5	1	0	0	0	6
Both	5	0	0	0	0	5
TOTAL	17	4	1	0	1	23

The non-pulmonary sites of disease included the following:

Lymphatic	5	Pleural	2	Subcutaneous tissue	1
Peritoneal	2	Miliary	2		

**PATIENTS STARTED ON TUBERCULOSIS PREVENTIVE THERAPY
SOUTH DAKOTA 1992 - 1998**

1992	1993	1994	1995	1996	1997	1998
618	654	536	589	662	642	610*

**1998 data is provisional*

TUBERCULOSIS CASES AND CASE RATES PER 100,000
UNITED STATES 1988 - 1997

YEAR	NUMBER OF TB CASES	TB CASE RATE	% CHANGE OF NUMBER	% CHANGE OF RATE
1988	22,436	9.1	-0.4	-2.2
1989	23,495	9.5	+4.7	+4.4
1990	25,701	10.3	+9.4	+8.4
1991	26,283	10.4	+2.3	+1.0
1992	26,673	10.5	+1.5	+1.0
1993	25,287	9.8	-5.2	-6.7
1994	24,361	9.4	-3.7	-4.1
1995	22,860	8.7	-6.2	-7.4
1996	21,337	8.0	-6.7	-8.0
1997	19,851	7.4	-7.0	-7.5